

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395427

Luminaire Tested: **I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3952.5 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

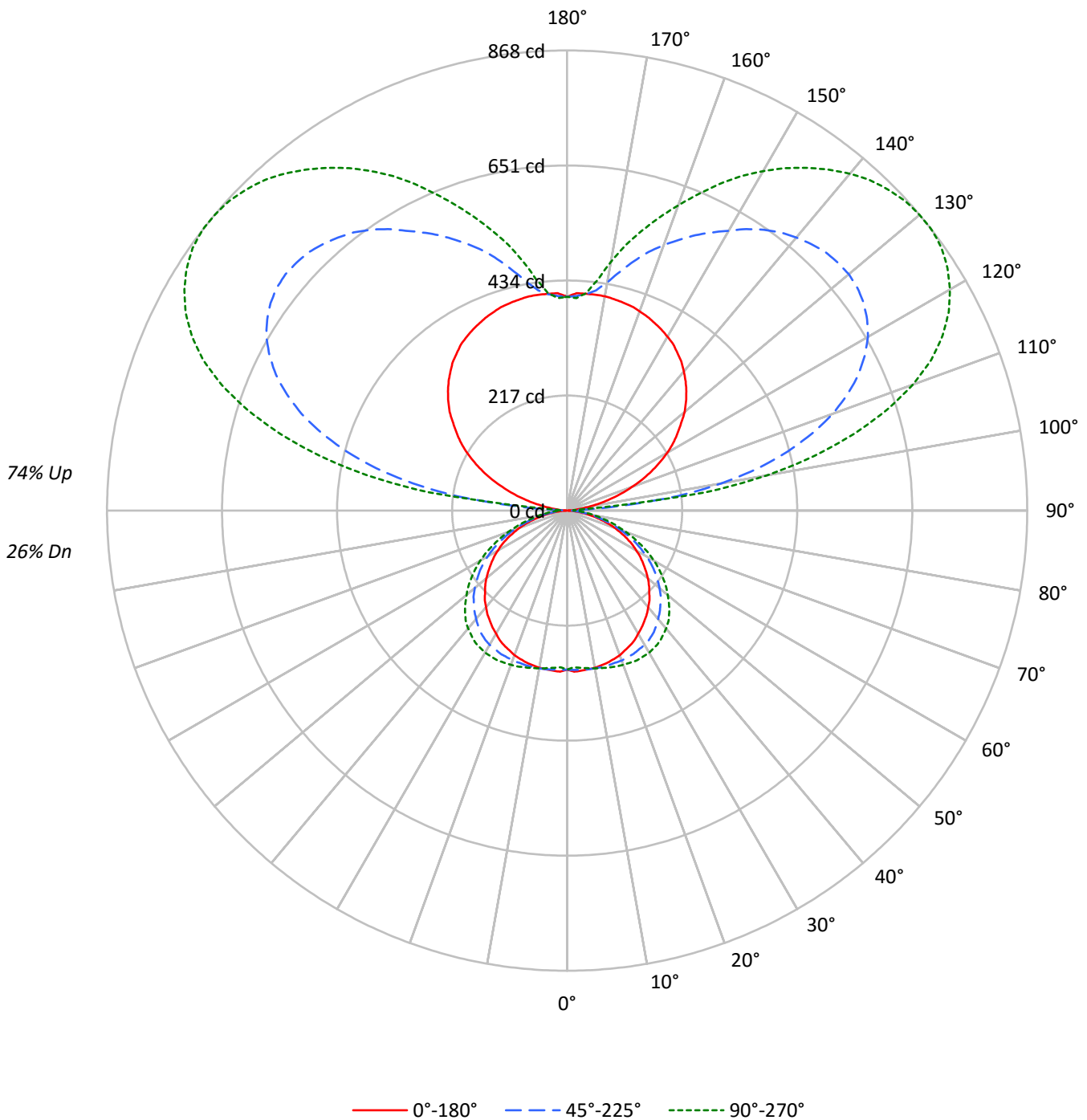
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1648	1648	1648
5°	1666	1623	1597
10°	1667	1611	1592
15°	1669	1605	1600
20°	1673	1605	1614
25°	1670	1607	1636
30°	1660	1609	1647
35°	1656	1600	1649
40°	1650	1566	1628
45°	1634	1528	1587
50°	1619	1478	1517
55°	1585	1404	1430
60°	1546	1305	1319
65°	1483	1172	1169
70°	1377	998	991
75°	1189	794	795
80°	923	564	583
85°	543	348	391



TEST NUMBER: P395427

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	0.7
10°-20°	85.3	2.2
20°-30°	136.7	3.5
30°-40°	174.8	4.4
40°-50°	190.6	4.8
50°-60°	178.6	4.5
60°-70°	138.6	3.5
70°-80°	79.4	2.0
80°-90°	25.4	0.6
90°-100°	101.9	2.6
100°-110°	396.3	10.0
110°-120°	539.5	13.6
120°-130°	560.0	14.2
130°-140°	496.8	12.6
140°-150°	385.4	9.8
150°-160°	257.2	6.5
160°-170°	137.1	3.5
170°-180°	40.1	1.0
0°-30°	250.6	6.3
0°-40°	425.5	10.8
0°-60°	794.7	20.1
0°-90°	1038.1	26.3
90°-120°	1037.7	26.3
90°-150°	2479.9	62.7
90°-180°	2914.0	73.7
0°-180°	3952.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	300	300	300	300	300	
5°	303	300	301	300	298	29
15°	297	296	302	306	306	84
25°	281	283	298	308	312	129
35°	254	260	283	298	303	159
45°	219	229	249	265	272	169
55°	176	185	202	216	220	157
65°	124	130	142	151	154	123
75°	65	68	74	82	84	69
85°	13	15	22	29	30	15
90°	1	3	7	11	13	1
95°	13	72	99	20	19	17
105°	84	254	431	512	560	90
115°	176	392	606	713	782	173
125°	254	463	683	802	863	227
135°	318	487	689	808	856	245
145°	363	487	647	751	789	227
155°	390	460	573	650	680	180
165°	406	423	487	533	547	115
175°	410	408	410	412	412	39
180°	403	403	403	403	403	



TEST NUMBER: P395427

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9
2.5°	304.2	303.1	303.1	301.0	301.0	299.9	299.9	299.9	299.9	299.9	301.0
5°	303.1	303.1	302.1	301.0	301.0	299.9	299.9	299.9	299.9	299.9	301.0
7.5°	302.1	302.1	301.0	299.9	299.9	299.9	299.9	299.9	299.9	299.9	302.1
10°	301.0	301.0	299.9	298.9	298.9	298.9	298.9	299.9	299.9	299.9	302.1
12.5°	298.9	297.8	297.8	296.7	296.7	296.7	297.8	297.8	298.9	299.9	302.1
15°	296.7	296.7	295.7	294.6	295.7	295.7	295.7	296.7	297.8	298.9	302.1
17.5°	293.5	293.5	292.5	292.5	292.5	293.5	293.5	294.6	296.7	298.9	301.0
20°	290.4	289.3	289.3	289.3	290.4	290.4	291.4	293.5	294.6	297.8	301.0
22.5°	285.0	286.1	285.0	285.0	286.1	287.2	288.2	290.4	292.5	295.7	298.9
25°	280.8	280.8	280.8	280.8	282.9	282.9	285.0	287.2	290.4	293.5	297.8
27.5°	275.5	275.5	275.5	276.5	277.6	278.7	279.7	282.9	286.1	290.4	294.6
30°	268.0	268.0	268.0	268.0	271.2	272.3	274.4	278.7	281.8	287.2	292.5
32.5°	261.6	261.6	261.6	262.7	264.8	265.9	268.0	273.3	277.6	282.9	288.2
35°	254.2	254.2	255.3	255.3	258.5	259.5	261.6	265.9	270.2	276.5	282.9
37.5°	246.8	246.8	247.8	248.9	251.0	253.1	255.3	259.5	263.8	269.1	275.5
40°	238.2	238.2	239.3	240.4	243.6	245.7	247.8	252.1	256.3	261.6	267.0
42.5°	229.7	229.7	230.8	231.9	235.1	237.2	239.3	244.6	248.9	254.2	258.5
45°	219.1	220.2	221.2	223.4	226.5	228.7	230.8	235.1	240.4	244.6	248.9
47.5°	209.5	210.6	211.7	213.8	217.0	219.1	221.2	225.5	229.7	234.0	239.3
50°	198.9	200.0	201.0	203.1	206.3	208.5	210.6	214.8	219.1	222.3	227.6
52.5°	187.2	188.3	189.3	191.4	195.7	196.8	198.9	203.1	206.3	210.6	214.8
55°	175.5	176.6	177.6	179.7	182.9	185.1	186.1	190.4	193.6	197.8	202.1
57.5°	163.8	164.9	165.9	168.0	170.2	172.3	173.4	176.6	180.8	184.0	188.3
60°	151.0	152.1	153.2	154.2	157.4	158.5	159.5	162.7	165.9	170.2	173.4
62.5°	138.3	138.3	139.3	140.4	143.6	144.6	145.7	147.8	152.1	154.2	157.4
65°	124.4	124.4	125.5	126.6	128.7	129.8	130.8	132.9	136.1	138.3	141.5
67.5°	109.5	109.5	110.6	111.7	113.8	114.9	114.9	118.1	120.2	122.3	124.4
70°	95.7	95.7	96.8	96.8	97.8	98.9	100.0	102.1	103.2	106.4	107.4
72.5°	80.8	80.8	80.8	80.8	83.0	83.0	84.0	86.2	87.2	89.3	91.5
75°	64.9	64.9	65.9	65.9	67.0	68.1	69.1	70.2	72.3	73.4	74.5
77.5°	51.1	50.0	51.1	52.1	53.2	53.2	54.2	55.3	56.4	58.5	59.6
80°	36.2	36.2	36.2	37.2	38.3	38.3	39.4	40.4	41.5	43.6	44.7
82.5°	23.4	23.4	24.5	24.5	25.5	26.6	26.6	27.7	28.7	30.8	31.9
85°	12.8	12.8	12.8	13.8	14.9	14.9	16.0	17.0	19.1	20.2	22.3
87.5°	4.3	4.3	5.3	6.4	7.4	7.4	8.5	9.6	10.6	12.8	13.8
90°	1.1	1.1	1.1	2.1	2.1	3.2	3.2	4.3	5.3	6.4	7.4
92.5°	4.3	7.4	11.7	17.0	16.0	17.0	11.7	7.4	7.4	7.4	8.5
95°	12.8	19.1	30.8	48.9	63.8	72.3	79.8	87.2	102.1	103.2	98.9
97.5°	25.5	35.1	56.4	79.8	106.4	120.2	130.8	153.2	176.6	191.4	209.5
100°	42.5	56.4	84.0	115.9	146.8	164.9	181.9	213.8	242.5	268.0	295.7
102.5°	62.8	78.7	112.7	152.1	190.4	210.6	228.7	265.9	305.2	339.3	369.1
105°	84.0	102.1	142.5	187.2	230.8	254.2	276.5	316.9	358.4	395.7	430.8
107.5°	107.4	126.6	170.2	220.2	269.1	295.7	320.1	363.7	407.4	447.8	485.0
110°	129.8	151.0	196.8	251.0	306.3	332.9	357.4	405.2	451.0	493.5	532.9



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CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	153.2	175.5	221.2	280.8	337.2	364.8	390.3	441.4	489.2	532.9	572.2
115°	175.5	196.8	244.6	306.3	363.7	392.5	420.1	472.2	522.2	565.8	606.2
117.5°	196.8	217.0	265.9	327.6	387.1	415.9	443.5	497.8	547.7	593.5	632.8
120°	218.0	236.1	289.3	345.7	406.3	435.0	463.7	518.0	569.0	614.8	655.2
122.5°	237.2	254.2	306.3	361.6	421.2	451.0	478.6	533.9	586.0	631.8	671.1
125°	254.2	270.2	322.3	374.4	433.9	462.7	491.4	545.6	597.7	642.4	682.8
127.5°	271.2	287.2	334.0	387.1	442.5	472.2	499.9	554.1	605.2	650.9	690.3
130°	289.3	301.0	345.7	398.8	451.0	478.6	507.3	559.4	609.4	654.1	693.5
132.5°	304.2	314.8	357.4	408.4	457.3	483.9	509.5	561.6	611.6	654.1	692.4
135°	318.0	326.5	365.9	416.9	462.7	487.1	511.6	560.5	609.4	652.0	689.2
137.5°	330.8	339.3	373.3	423.3	466.9	488.2	511.6	557.3	604.1	646.7	681.8
140°	342.5	348.9	379.7	426.5	469.0	489.2	509.5	552.0	595.6	637.1	672.2
142.5°	354.2	359.5	385.0	428.6	470.1	489.2	508.4	545.6	586.0	626.5	661.5
145°	362.7	368.0	389.3	429.7	469.0	487.1	504.1	539.2	575.4	612.6	646.7
147.5°	372.3	376.5	393.5	427.6	465.8	482.9	498.8	530.7	563.7	597.7	629.6
150°	378.6	382.9	395.7	425.4	460.5	476.5	492.4	522.2	552.0	581.8	609.4
152.5°	385.0	388.2	398.8	422.2	454.1	469.0	483.9	512.6	540.3	566.9	591.4
155°	390.3	393.5	401.0	420.1	446.7	460.5	474.4	502.0	527.5	550.9	573.3
157.5°	395.7	397.8	403.1	416.9	438.2	451.0	463.7	488.2	511.6	535.0	553.1
160°	399.9	401.0	405.2	415.9	430.8	440.3	452.0	474.4	495.6	515.8	532.9
162.5°	404.2	404.2	407.4	413.7	424.4	430.8	439.3	458.4	477.5	495.6	511.6
165°	406.3	406.3	408.4	412.7	419.1	423.3	428.6	441.4	456.3	472.2	487.1
167.5°	408.4	408.4	409.5	411.6	415.9	418.0	420.1	428.6	438.2	449.9	461.6
170°	410.5	409.5	409.5	411.6	412.7	413.7	414.8	419.1	423.3	430.8	437.1
172.5°	410.5	409.5	409.5	410.5	410.5	410.5	410.5	411.6	412.7	416.9	419.1
175°	410.5	409.5	409.5	409.5	409.5	408.4	408.4	408.4	408.4	408.4	409.5
177.5°	410.5	409.5	408.4	408.4	407.4	407.4	406.3	406.3	405.2	405.2	405.2
180°	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1



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CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9
2.5°	301.0	301.0	299.9	299.9	298.9	298.9	297.8	296.7	295.7	295.7
5°	302.1	301.0	299.9	299.9	299.9	298.9	298.9	298.9	297.8	297.8
7.5°	302.1	302.1	302.1	301.0	301.0	301.0	301.0	301.0	299.9	299.9
10°	303.1	303.1	303.1	303.1	303.1	303.1	303.1	302.1	302.1	302.1
12.5°	303.1	303.1	303.1	304.2	304.2	304.2	304.2	304.2	304.2	304.2
15°	304.2	304.2	305.2	305.2	306.3	306.3	307.4	307.4	307.4	306.3
17.5°	303.1	304.2	305.2	306.3	307.4	307.4	308.4	308.4	308.4	308.4
20°	303.1	305.2	306.3	307.4	308.4	308.4	309.5	310.6	310.6	309.5
22.5°	302.1	304.2	305.2	307.4	308.4	308.4	310.6	310.6	310.6	310.6
25°	301.0	303.1	305.2	307.4	308.4	308.4	310.6	310.6	311.6	311.6
27.5°	298.9	301.0	304.2	306.3	307.4	308.4	309.5	310.6	310.6	310.6
30°	295.7	298.9	302.1	304.2	305.2	306.3	307.4	308.4	309.5	309.5
32.5°	291.4	294.6	297.8	301.0	302.1	303.1	305.2	306.3	306.3	306.3
35°	287.2	290.4	293.5	296.7	297.8	298.9	301.0	302.1	303.1	303.1
37.5°	280.8	284.0	287.2	290.4	291.4	293.5	295.7	296.7	296.7	296.7
40°	271.2	276.5	280.8	284.0	285.0	287.2	288.2	290.4	290.4	290.4
42.5°	262.7	267.0	270.2	274.4	275.5	278.7	280.8	281.8	282.9	282.9
45°	253.1	257.4	260.6	263.8	264.8	267.0	269.1	270.2	271.2	272.3
47.5°	243.6	246.8	249.9	253.1	254.2	256.3	258.5	259.5	260.6	260.6
50°	231.9	235.1	238.2	241.4	242.5	244.6	245.7	246.8	247.8	247.8
52.5°	219.1	222.3	225.5	228.7	229.7	230.8	232.9	234.0	235.1	235.1
55°	206.3	209.5	211.7	214.8	215.9	217.0	218.0	220.2	221.2	220.2
57.5°	191.4	194.6	196.8	200.0	201.0	202.1	203.1	204.2	205.3	205.3
60°	175.5	178.7	181.9	184.0	185.1	186.1	187.2	188.3	189.3	189.3
62.5°	159.5	162.7	164.9	168.0	169.1	169.1	170.2	171.2	172.3	172.3
65°	143.6	146.8	147.8	151.0	151.0	152.1	153.2	154.2	154.2	154.2
67.5°	126.6	129.8	130.8	132.9	132.9	134.0	135.1	136.1	136.1	136.1
70°	110.6	111.7	113.8	114.9	115.9	115.9	117.0	118.1	119.1	118.1
72.5°	93.6	94.7	96.8	97.8	97.8	98.9	98.9	100.0	101.0	101.0
75°	76.6	78.7	79.8	80.8	81.9	81.9	83.0	84.0	84.0	84.0
77.5°	60.6	62.8	63.8	64.9	65.9	65.9	67.0	67.0	68.1	67.0
80°	46.8	47.9	48.9	50.0	51.1	51.1	52.1	53.2	53.2	53.2
82.5°	34.0	35.1	37.2	38.3	38.3	38.3	40.4	40.4	41.5	40.4
85°	23.4	24.5	26.6	27.7	28.7	28.7	28.7	29.8	30.8	29.8
87.5°	14.9	17.0	18.1	19.1	19.1	19.1	20.2	21.3	21.3	21.3
90°	8.5	8.5	9.6	10.6	10.6	11.7	11.7	12.8	12.8	12.8
92.5°	8.5	9.6	9.6	9.6	10.6	10.6	10.6	11.7	11.7	11.7
95°	72.3	52.1	29.8	23.4	20.2	20.2	19.1	20.2	19.1	19.1
97.5°	219.1	237.2	245.7	257.4	263.8	262.7	258.5	262.7	259.5	262.7
100°	311.6	328.6	341.4	344.6	351.0	354.2	365.9	374.4	378.6	384.0
102.5°	387.1	407.4	422.2	430.8	437.1	441.4	455.2	468.0	474.4	478.6
105°	456.3	477.5	495.6	504.1	511.6	515.8	530.7	545.6	555.2	560.5
107.5°	511.6	536.0	555.2	568.0	575.4	582.8	600.9	615.8	627.5	632.8
110°	561.6	586.0	606.2	621.1	629.6	637.1	657.3	674.3	687.1	693.5



TEST NUMBER: P395427

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	603.1	629.6	649.8	665.8	674.3	684.9	704.1	723.2	736.0	743.4
115°	637.1	664.7	686.0	703.0	712.6	722.2	744.5	763.7	776.4	781.7
117.5°	665.8	693.5	715.8	732.8	743.4	754.1	776.4	793.4	807.3	811.5
120°	689.2	716.9	739.2	758.3	769.0	778.5	799.8	817.9	830.7	833.8
122.5°	705.2	733.9	757.3	778.5	788.1	797.7	817.9	836.0	847.7	850.9
125°	716.9	746.6	770.0	792.4	801.9	811.5	830.7	848.7	858.3	862.6
127.5°	724.3	754.1	779.6	800.9	811.5	820.0	839.2	855.1	864.7	867.9
130°	726.4	757.3	782.8	805.1	814.7	823.2	841.3	857.2	865.8	867.9
132.5°	726.4	756.2	782.8	804.1	813.6	822.1	839.2	854.1	862.6	864.7
135°	722.2	750.9	777.5	798.8	808.3	816.8	833.8	846.6	855.1	856.2
137.5°	714.7	742.4	767.9	789.2	798.8	807.3	822.1	836.0	843.4	845.5
140°	705.2	730.7	756.2	776.4	786.0	793.4	808.3	820.0	827.5	829.6
142.5°	692.4	717.9	741.3	761.5	769.0	777.5	790.2	801.9	808.3	810.5
145°	678.6	703.0	724.3	742.4	750.9	758.3	770.0	780.7	787.1	789.2
147.5°	660.5	684.9	705.2	722.2	729.6	737.1	747.7	757.3	763.7	765.8
150°	638.1	660.5	681.8	697.7	705.2	712.6	723.2	731.7	738.1	739.2
152.5°	615.8	637.1	655.2	671.1	678.6	686.0	695.6	704.1	711.5	711.5
155°	594.5	612.6	629.6	643.5	649.8	656.2	665.8	673.2	679.6	679.6
157.5°	572.2	589.2	603.1	615.8	621.1	626.5	635.0	641.3	646.7	645.6
160°	550.9	563.7	576.5	587.1	592.4	596.7	603.1	608.4	613.7	612.6
162.5°	527.5	539.2	549.9	557.3	561.6	564.8	571.1	576.5	579.7	579.7
165°	500.9	511.6	521.2	528.6	532.9	535.0	540.3	543.5	546.7	546.7
167.5°	473.3	481.8	490.3	496.7	500.9	503.1	508.4	510.5	514.8	513.7
170°	445.6	452.0	458.4	463.7	465.8	468.0	472.2	474.4	476.5	476.5
172.5°	423.3	425.4	428.6	432.9	432.9	433.9	436.1	437.1	438.2	438.2
175°	410.5	411.6	411.6	411.6	411.6	411.6	412.7	411.6	412.7	411.6
177.5°	405.2	405.2	404.2	404.2	403.1	404.2	403.1	402.0	402.0	401.0
180°	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1	403.1

(END OF REPORT)